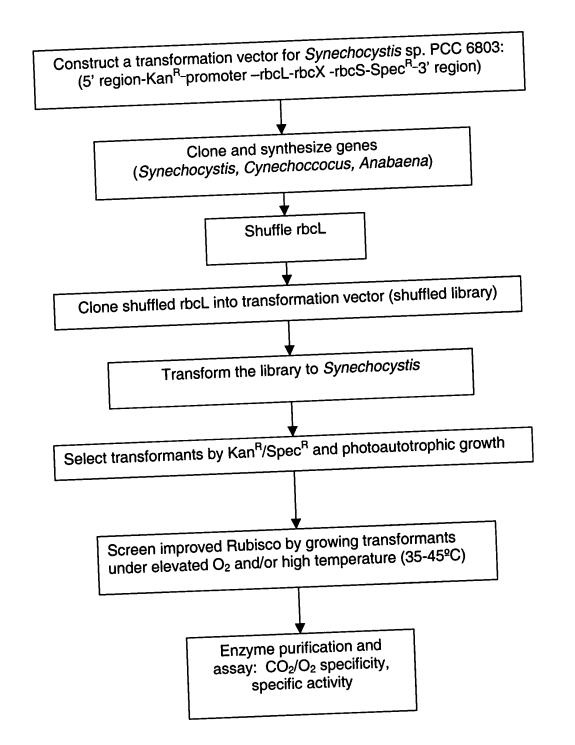


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FIGURE 1

Shuffle Rubisco to improve its specificity Form I enzyme (*Cyanobacteria*)





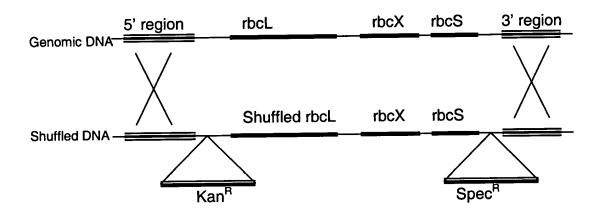
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FIGURE 2

A Synechocystis Rubisco gene structure

| rbcL | | rbcX | rbcS |
|---------|--------|--------|--------|
| 1414 bp | | 411 bp | 341 bp |
| | 206 bp | | 33 bp |

B Synechocystis transformation - homologous replacement



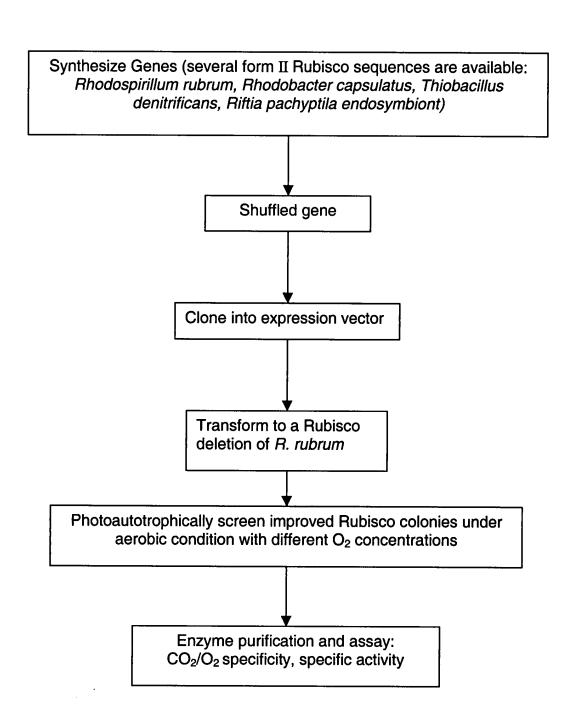


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FIGURE 3

Shuffle Rubisco to improve its specificity Form II enzyme

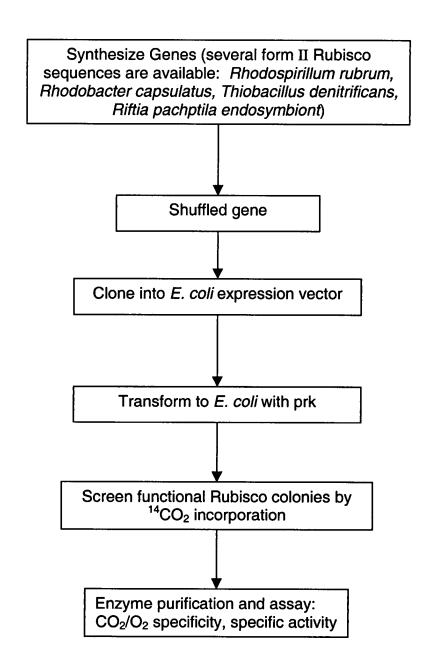




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FIGURE 4

Shuffle Rubisco to improve its specificity Form II enzyme E. coli screening system (prk)



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FIGURE 5
Shuffle high specificity marine Rubisco rbcL/S operon

